

Response and Amendment
Application No. 10/529,214
Filing Date: March 25, 2005
Response dated: February 14, 2007
Page 2 of 16

Amendment to the Specification:

Please replace paragraph [039] with the following amended paragraph:

[039] In an advantageous embodiment of the present invention, the control device 19, or the control process 19, has no direct influence on the actuating members 16, 05 which are assigned to the individual webs B1, B2, B3, B4, but provides preset values S1.3d to S4.3d to the control devices 18 from the signals S1.3 to S4.3 by the use of its characteristic diagram. This preset value merely relates to a tension to be maintained upstream of the hopper roller 08 for each web B1, B2, B3, B4, i.e. to a desired value S1.3d to S4.3d for the tensions to be maintained, for example, at the measuring locations 06 (see, for example, the diagrammatic illustration of Fig. 3). These preset values, for example because of a change in the position and/or form of the terms, or of the input values in the course of the fuzzyfication, are entered in the control device 18.x, as discussed above. Therefore, an actuating member 02, 05, 16 assigned to an individual web B1 to B4 is not randomly addressed by two different processes, which would result in an unsteady or even unstable control behavior. In contrast to this, the request from the control process 19 is taken into consideration in the control process 18.x. The advantageous performance of this partial process in the control device 18.x, in the form of fuzzy logic, now makes it possible for the request or the preset value from the control device 19 not necessarily having to be performed exactly as prescribed, but instead being performed within the scope and in view of the entire control task of the control device 18.x. Only the allocation diagrams regarding the preset values from the control device 19 are shifted, and these newly weighted criteria are taken into consideration when determining the optimal, or at least the permissible total state. The connection with the arrow from the lowest node of the process to the node prior to the inquiry of the press status, as seen in Fig. 7, makes it clear that this is a process which is continuously performed as long as the press is in production.